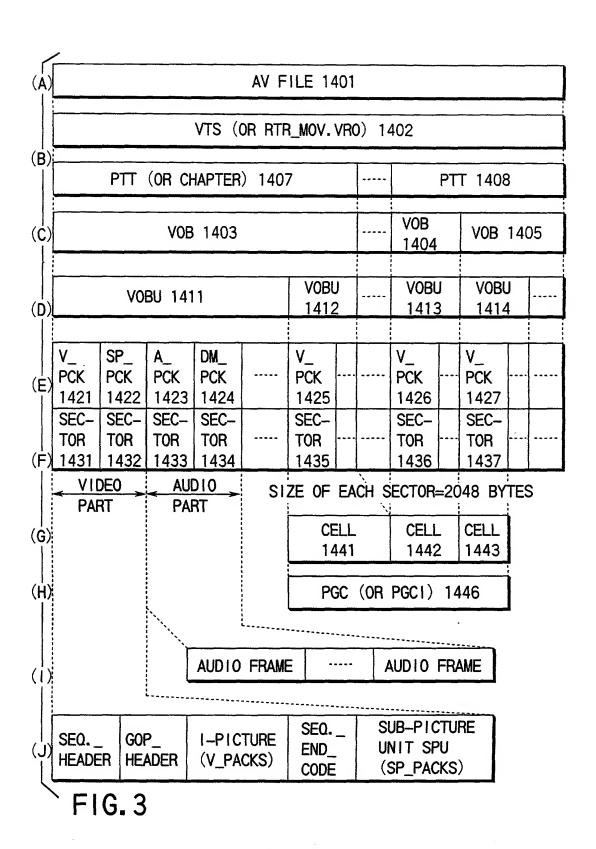


ROOT DIRECTORY 1450 SUB DIRECTORY 1451 REWRITABLE TITLE SET RW_VTS 1452 (DVD_RTR DIRECTORY) RTR=REAL TIME RECORDING DATA FILES 1453 CONTROL INFORMATION 1011 =RW_VIDEO_CONTROL.IFO (RTR.IFO) BACKUP OF CONTROL INFO. =RW_VIDEO_CONTROL.BUP AV FILE 1401 (RTR DATA) =RW_OBJECT.OB VIDEO OBJECT (RTR_MOV.VRO) 1012 PICTURE OBJECT (RTR_STO.VRO) 1013 AUDIO OBJECT (RTR_STA. VRO) 1014 THUMBNAIL OBJECT 1016 REWRITABLE ADDITIONAL INFO. 1454 =RW_ADD. DAT SUB DIRECTORY 1451 VIDEO TITLE SET VIDEO_TS (OR VTS) 1455 AUDIO TITLE SET AUDIO_TS (OR ATS) 1456 SUB DIRECTORY FOR COMPUTER DATA STORAGE 1457 FIG. 2



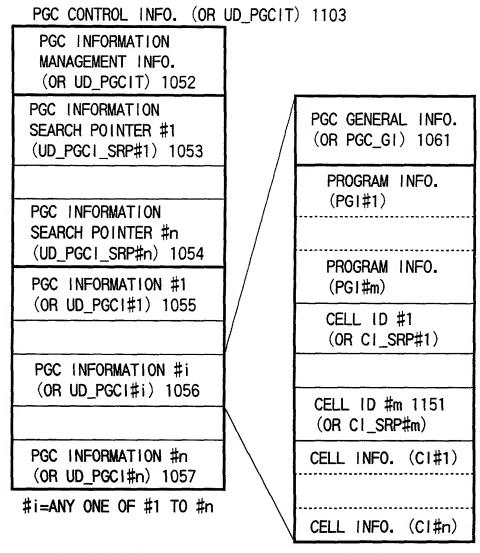
	,				
	65		E		LSNg
	# 68 (%)	1465	EXTENT # E	1475	:
					LSNf+1
	DED				LSNf
	ARFA	1460	EXTENT # ?	1470	
	3		44		LSNe+1
	2				LSNe
	V0B #2	1462	EXTENT # β	1472	
101	>		<u></u>		LSNd+1
E 14	က္		⊨		LSNd
AV FILE 1401	'0B # (2)	1464	EXTENT # 8	1474	
A	>		ш		LSNc+1
					LSNc
	V0B #1	19	ËΕΝΤ α	17	
	V 0	14	EXTENT # a 1471		LSNb+2
					LSNb+1
					LSNb
	VOB #3	1463	EXTENT # y	73	
	VOE	14	¥ ⊞	14	LSNa+2
					LSNa+1

←SMALLER LOGICAL SECTOR NUMBER (LSN) ←INNER SIDE OF OPTICAL DISC 1001

LARGER LOGICAL SECTOR NUMBER (LSN)→ OUTER SIDE OF OPTICAL DISC 1001→

F16.4

CONTENTS OF ALLOCATION	NUMBER OF EXTENTS IN UNRECORDED AREA 1601	1
MAP TABLE	1ST ADR. (LSN) OF 1ST EXTENT IN UNRECORDED AREA 1606	e- a
DISTRIBUTION INFORMATION OF POSITIONS OF	SIZE (SECTORS) OF 1ST EXTENT IN UNRECORDED AREA 1614	f–e
UNRECORDED AREA 1621	NUMBER OF EXTENTS IN VOB #1 1602	1
DISTRIBUTION	1ST ADR. (LSN) OF 1ST EXTENT IN VOB #1 1607	b–a
INFORMATION OF POSITIONS OF	SIZE (SECTORS) OF 1ST EXTENT IN VOB #1 1615	c-b
RECORDED DATA AS TO VOB #1 1622	NUMBER OF EXTENTS IN VOB #2 1603	1
DISTRIBUTION	1ST ADR. (LSN) OF 1ST EXTENT IN VOB #2 1608	d–a
INFORMATION OF POSITIONS OF	SIZE (SECTORS) OF 1ST EXTENT IN VOB #2 1616	e–d
RECORDED DATA AS TO VOB #2	NUMBER OF EXTENTS IN VOB #3 1604	3
DISTRIBUTION	1ST ADR. (LSN) OF 1ST EXTENT IN VOB #3 1609	1
INFORMATION OF POSITIONS OF RECORDED DATA	SIZE (SECTORS) OF 1ST EXTENT IN VOB #3 1617	b–a
AS TO VOB #3 1624	1ST ADR. (LSN) OF 2ND EXTENT IN VOB #3 1610	c–a
	SIZE (SECTORS) OF 2ND EXTENT IN VOB #3 1618	d–c
	1ST ADR. (LSN) OF 3RD EXTENT IN VOB #3 1611	f–a
FIG.5	SIZE (SECTORS) OF 3RD EXTENT IN VOB #3 1619	g–f



- *1> PGC INFORMATION (OR UD_PGC1) CAN DEFINE .
 A GROUP OF ONE OR MORE PROGRAMS;
- *2> EACH PROGRAM CAN BE FORMED OF ONE OR MORE CELLS;
- *3> EACH CELL CAN BE SPECIFIED BY CELL ID (OR CI_SRP);
- *4> EACH CELL ID (OR CI_SRP) CAN INDICATE POSITION (OR START ADDRESS) OF CELL INFORMATION (OR CI);
- *5> EACH CELL INFORMATION (OR CI) CAN DETERMINE START TIME AND END TIME OF PRESENTATION OF CELL

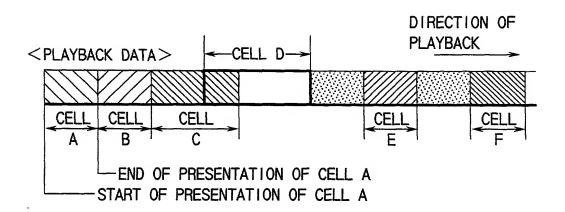
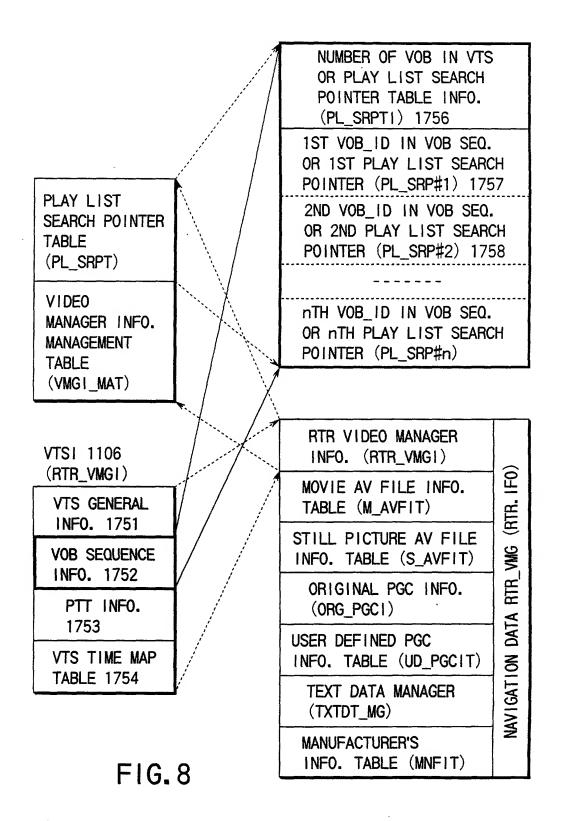


FIG. 7A

PGC INFORMATION (PGCI)

PGC#1	1081	PGC#2	1082	PGC#3	3 1083
NUMBE CELLS		NUMBI CELLS	ER OF S=3	NUMBI CELLS	ER OF S=5
#1	CELL A	#1	CELL D	#1	CELL E
#2	CELL B	#2	CELL E	#2	CELL A
#3	CELL C	#3	CELL F	#3	CELL D
				#4	CELL B
				# 5	CELL E
CELL ID	CELL INFO.	CELL ID	CELL INFO.	CELL ID	CELL INFO.
CI_SRP #m=3	CI #n=3	CI_SRP #m=3	CI #n=3	CI_SRP #m = 5	C! #n=4

FIG. 7B



F16.9A				AV	AV FILE 1401	01	-		
FIG. 9B			>	TS (OR R	TR_MOV. V	VTS (OR RTR_MOV. VRO) 1402			
	V0B#1 1461		V0B#2 1462			V0B#3 1763		NO CN	UNRECORDED AREA 1460
F16.9C	EXTENT# α 1471		EXTENT# <i>β</i> 1472	EXTENT# γ 1473		EXTENT# 8 1474	EXTENT# ε 1475		EXTENT# <i>g</i> 1470
(
F16.9D				AV	AV FILE 1401	01			
FIG. 9E)) SIA	VTS (OR RTR_MOV. VRO/RTR_STO. VRO/RTR_STA. VRO) 1402	/. VRO/RTF	3_STO.VR	0/RTR_STA	N. VRO) 14(22	
)\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_V0B1#	-,)/_S	-S_V0G1#			
	V0B#A 1771	V0B#B 1772	V0B#C 1773	V0B#D 1774	V0B指 1775	V0B#F 1776	V0B#G 1777	V0B#H 1778	V0B#1 1779
	VIDEO OBJECTS	0 CTS	AUD 10 OB JECTS	PICTURE OR IECTS	URE	AUD10	0	THUMBNAIL	NAIL
FIG. 9F	1012		1014	1013	9	1014	2	1016	2
	←—RTR_MOV. VRO→ RTR_STA. VRO	MOV. VRO→ STA. VRO		RTR_ST	ro. VRO→	←-RTR_STO. VRO->;←-RTR_STA. VRO->	A. VRO→		

	VOB FOR F	OLCHINE OR IFC	TS (OR STILL BICT	בי מייסיס מסע דמו		
F16. 10A			FIG. IUAL	ONE VOB GROUP RE	LALING TO S	V0G1#) 1631
FIG. 10B			VOBU (FOR ONE STILL PICTURE) 1641	ILL PICTURE) 164	11	
	V_PCK 1661	V_PCK 1662	V_PCK 1663	SP_PCK	A_PCK	A_PCK
					1001	7601
F16.10C		I-PICTURE 1706	DUMMY DATA	SP_STREAM	A_STREAM	A STREAM
	,			,		
-			-VIDEO PART		1	H
						74

OICTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGI#) 1632	V0BU 1643 V0BU 1644	V_PCK A_PCK V_PCK V_PCK N_PCK N_PCK 1695 1695 1667 1695
FIG. 10D VOB FOR PICTURE OBJECTS (OR	F16. 10E VOBU (ONE STILL PICT.) 1642	SP_PCK A_PCK 1693

FIG. 10G VOB FOR PIC	VOB FOF	R PICTURE	OBJECTS .	OR STILL	PICTURE	VOB GROU	JP RELATI	NG T	CTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGI#) 1633
FIG. 10H VOBU (ONE STILL PICTURE) 1645	VOBU	(ONE STILL	_ PICTURE) 1645		VOBU 1646			V0BU 1647
	V_PCK V	V_PCK	V_PCK	SP_PCK V_PCK V_PCK	V_PCK	V_PCK	V_PCK		V PCK
	1668	1669	1670	1683	1671	1672	1673		1674
, , , , , , , , , , , , , , , , , , ,	I-PICTURE	1707	DUMMY SP_	გ _	I-PICT	-PICTURE 1708	DUMMY		I DICTHE 1700
			1/04	STREAM			1705		1-r 1010hE 1703
		VIDEO PART-	PART		\	VINEO PART			TOAD OPPLY
					•			· •	

FIG. 10J VOB FOR PI	VOB FOF	R PICTURE	OBJECTS	3 (OR STI	ILL PICT	JRE VOB (SROUP REL	ATING T	CTURE OBJECTS (OR STILL PICTURE VOB GROUP RELATING TO S_VOGI#) 1634	() 1634
FIG. 10K VOBU (ONE	NOBU (: 1	STILL PICTURE) 1648	E) 1648		VOBU 1649			VOBU 1650	1650
FIG. 10L	SP_PCK 1684	A_PCK 1696	A_PCK 1697	PCK A_PCK A_PCK A_PCK A_PCK A_PCK 396 1697 1698 1699 1700 1701	A_PCK 1699	A_PCK 1700	A_PCK 1701		A_PCK 1702	
	¥	-AUDI	-AUDIO PART—		V X	AUDIO PART			←—AUDIO PART →	PART

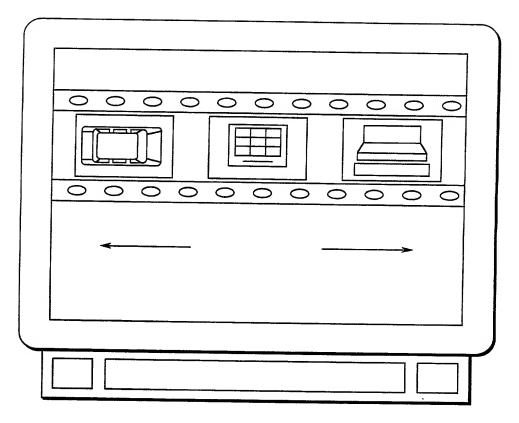


FIG. 11

STILL PICTURE AV FILE (S_AVFIT)

STILL PICTURE AV FILE INFO. TABLE INFO. (S_AVFITI)

STILL PICT. VOB STREAM INFO. #1 (S_VOB_STI#1)

STILL PICT. VOB STREAM INFO. #n (S_VOB_STI#n)

STILL PICTURE AV FILE INFO. (S_AVFI)

STILL PICT. AD-DITIONAL AUDIO STREAM INFO. #1 (S_AA_STI#1)

STILL PICT. AD-DITIONAL AUDIO STREAM INFO. #m (S_AA_STI#m)

STILL PICTURE ADDITIONAL AUDIO FILE INFO. (S_AAFI) VOB INFO. FOR
PICT. OBJECTS
MANAGEMENT
INFO. 1721
(OR S_AVFI_GI)
SEARCH POINTER
OF VOB INFO. FOR
PICT. OBJECTS
#1 1726 (OR
S_VOGI_SRP#1)
SEARCH POINTER
OF VOB INFO. FOR
PICT. OBJECTS
#1 1727 (OR
S_VOGI_SRP#i)

SEARCH POINTER
OF VOB INFO. FOR
PICT. OBJECTS
#k 1728 (OR
S_VOGI_SRP#k)

VOB INFO. FOR PICT. OBJECTS #1 1731 (OR S_VOGI#1)

VOB INFO. FOR PICT. OBJECTS #i 1732

(OR S_VOGI#i)

VOB INFO. FOR PICT. OBJECTS #k 1733 (OR S_VOGI#k)

FIG. 12 #i=ANY ONE OF #1 TO #k

VOB GENERAL
INFORMATION
FOR PICTURE
OBJECTS
1736 (OR
STILL PICTURE
VOB GROUP
GENERAL INFO.
S_VOG_GI)

VOB ATTRIB.
INFORMATION
FOR PICTURE
OBJECTS
1737

VOBU MAP FOR PICTURE OBJECTS 1738 (OR STILL PICTIRE VOB ENTRES S_VOB_ENT#)

ATTRIB. INFO. FOR PICT. OBJ. 1737 VOBU MAP FOR PICT. OBJ. 1738 (S_VOB_ ENT#) INFO.		-	
VOBU MAP FOR PICT. OBJ. 1738 (S_VOB_ ENT#) VOB VOB VOB VOB VOB VOB VOB VO	INFO. FOR PICT.		(S_VOB_
VOBU MAP FOR PICT. OBJ. 1738 (S_VOB_ ENT#) VOB VOB GENERAL INFO. 1736 OR S_VOB_ INFO. 1736 OR S_VOB_ INFO. 1736 OR S_VOB_ INFO. OF 2ND STILL PICT. IN CORRES— PONDING VOB 1802 INFO. STILL PICT. IN CORRES— PONDING VOB 1803			
PONDING VOB 1802 GENERAL INFO. OF 2ND INFO. STILL PICT. 1736 IN CORRES— OR PONDING S_VOG_ VOB 1803	VOBU MAP FOR PICT. OBJ. 1738 (S_VOB_	,	(OR NUMBER OF VOBUS) IN CORRES- PONDING VOB 1801 (OR S_VOB_NS) INFO. OF 1ST STILL PICT.
VOB VOB 1802 GENERAL INFO. OF 2ND INFO. STILL PICT. 1736 IN CORRES— OR PONDING S_VOG_ VOB 1803			— -
GENERAL INFO. OF 2ND STILL PICT. IN CORRES—OR PONDING VOB 1803	VOB	1	
	INFO. 1736 OR	S P	NFO. OF 2ND STILL PICT. N CORRES— PONDING
	S_V0G_ GI		NFO. OF 3RD
STILL PICT.		1	
IN CORRES—			
VOB 1804		1	

DATA SIZE OF STILL PICTURE (OR VOBU) INDICATED BY USED SECTORS 1806 (OR VIDEO PART SIZE V_PART_SZ/ AUDIO PART SIZE A_PART_SZ) DISPLAY TIME OF ONE STILL PICTURE 1807 REPRESENTED BY PLAYBACK TIME OF AUDIO PART (IF VOBU CONTAINS A_PCK) OR REPRESENTED BY DISPLAY TIME OF VIDEO PART (IF VOBU CONTAINS NO A_PCK) ADDRESS OF 1ST V_PCK IN VOBU 1808 (OR S_VOG_SA) SIZE OF I-PICTURE IN VOBU (INDICATED BY TOTAL BYTES) 1809 🔍 PRESENTATION START TIME S_PTM OF STILL PICTURE (V_PCK/SP_PCK) 1810 1ST SYSTEM CLOCK REFERENCE F_SCR OF STILL. PICTURE (V_PCK/SP_PCK) 1811 ADDRESS OF 1ST A_PCK IN VOBU 1812 AUDIO S_PTM (PRESENTATION START TIME OF A_PCK) 1813 AUDIO E PTM (PRESENTATION END TIME OF A_PCK) 1814 AUDIO F_SCR (SYSTEM CK REF. OF 1ST A_PCK IN VOBU) 1815

AUDIO L_SCR (SYSTEM CK REF.

OF LAST A_PCK IN VOBU) 1816

PLAYBACK TIME OF AUDIO PART A_PB_TM

F1G. 14A)X	V0B #A 1821	21	-	
	VOBU	VOBU 1825	>	VOBU 1826	9		VORI	VORII 1827
F1G. 14B	STILL PI	LL PICT. NO. 1	STILL	STILL PICT. NO.	No. 2		STILL PICT.	ICT. NO. h
	STLPCT 1831	AUD 10 1841	STLP 1832	STLPCT 1832	AUD10 1842	STLPCT	STLPCT 1834	AUD10
F16.14C	V_PCK 1851	A_PCK 1861	V_PCK 1852	SP_PK 1848	A_PCK 1862	V_PCK 1853	V_PCK 1854	A_PCK 1863
	CONTEN	TS TE	1ST STI	ILL PICT			\S_	1 NE
FIG. 14D	STECIFIED BY CELL		V_PCK 1852	SP_PK 1848	A_PCK _1865	V_PCK 1853	V_PCK 1854	A_PCK 1866
		A_PCK 1864	V_PCK 1855	A_PCK 1865	V_PCK 1856	V_PCK	A_PCK \	V_PCK
F16.14E		AUD10 1844	STLPCT 1835		STLPCT 1836	STLPCT 1837	AUD10 1846	STLPCT 1838
	,		STILL PICTURE NO. j	ICTURE		STILL PICTURE NO. h+i-2	ICTURE	
FIG. 14F			VOBU 1828	1828	:	V0BU 1829	1829	4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
FIG. 146				VOE	VOB #B 1822	2		

		
CONTENTS (S_CI) OF CELL PLAYBACK INFO. (CI) FOR PICTURE OBJECTS 1870	EXAMPLE 1871 WITH RESPECT TO FIG.14	EXAMPLE 1872 WITH RESPECT TO FIG.14
CELL ID (CI_SRP) 1873		
TYPE INFORMATION OF CELL (C_TY) 1880		
ID INFORMATION OF VOB WITH V_PCK 1874	VOB #A	1821
STILL PICT. NUMBER 1875 IN VOB INCLUDING V_PCK OF 1ST STILL PICTURE IN CELL (S_S_VOB_ENTN)	2	1826
STILL PICT. NUMBER 1876 IN VOB INCLUDING V_PCK OF LAST STILL PICTURE IN CELL (E_S_VOB_ENTN)	h	1827
ID INFORMATION OF VOB WITH A_PCK 1877	VOB #B	1822
STILL PICT. NUMBER 1878 IN VOB INCLUDING A_PCK OF 1ST STILL PICTURE IN CELL	j	1828
PRESENTATION TIME 1879 OF EACH STILL PICTURE HAVING NO CORRESPONDING A_PCK	2 SECONDS (ONE LINE)	

FIG. 15

CONTENTS OF CELL PLAYBACK INFO. (CI) FOR PTT
CELL ID (CI_SRP) 1883
TYPE INFO. OF CELL (C_TY) 1882
ID INFO. OF PTT WITH V_PCK 1884
STILL PICTURE NUMBER 1885 IN PTT OF VOB INCLUDING V_PCK OF 1ST STILL PICTURE IN CELL
STILL PICTURE NUMBER 1886 IN PTT OF VOB INCLUDING V_PCK OF LAST STILL PICTURE IN CELL
ID INFO. OF PTT WITH A_PCK 1887
STILL PICTURE NUMBER 1888 IN PTT OF VOB INCLUDING A_PCK OF 1ST STILL PICTURE IN CELL
PRESENTATION TIME 1889 OF EACH STILL PICT. HAVING NO CORRESPONDING A_PCK

FIG. 16

STILL PICTURE AV FILE INFO. (S_AVFI) FOR PTT (CHAPTER)

PTT INFO. FOR PICT. OBJECTS MANAGEMENT INFO. 1891

SEARCH POINTER OF PTT INFO. FOR PICT. OBJECTS #1 1892

SEARCH POINTER OF PTT INFO. FOR PICT. OBJECTS #2 1893

PTT INFO. FOR PICT. OBJECTS #1 1895

PTT INFO. FOR PICT. OBJECTS #2 1896 PTT GENERAL INFORMATION FOR PICTURE OBJECTS 1898

VOB MAP FOR PICTURE . OBJECTS 1899

VOB MAP FOR PICT. OBJECTS 1899

NUMBER OF STILL PICT. (OR NUMBER OF VOBs) IN CORRESPONDING PTT 1901 (OR S_VOB_Ns)

INFO. OF 1ST STILL PICT. IN CORRESPONDING PTT 1902

INFO. OF 2ND STILL PICT. IN CORRESPONDING PTT 1903 DATA SIZE OF STILL PICTURE (OR VOB) INDICATED BY USED SECTORS 1906

DISPLAY TIME OF ONE STILL
PICTURE 1907 REPRESENTED
BY PLAYBACK TIME OF AUDIO
PART (IF VOB CONTAINS
A_PCK) OR REPRESENTED BY
DISPLAY TIME OF VIDEO PART
(IF VOB CONTAINS NO A_PCK)

ADDRESS OF 1ST V_PCK IN VOB 1908 (OR S_VOG_SA)

SIZE OF I-PICTURE IN VOB (INDICATED BY TOTAL BYTES) 1909

PRESENTATION START TIME S_PTM OF STILL PICTURE (V_PCK/SP_PCK) 1910

1ST SYSTEM CLOCK REFERENCE F_SCR OF STILL. PICTURE (V_PCK/SP_PCK) 1911

ADDRESS OF 1ST A_PCK IN VOB 1912

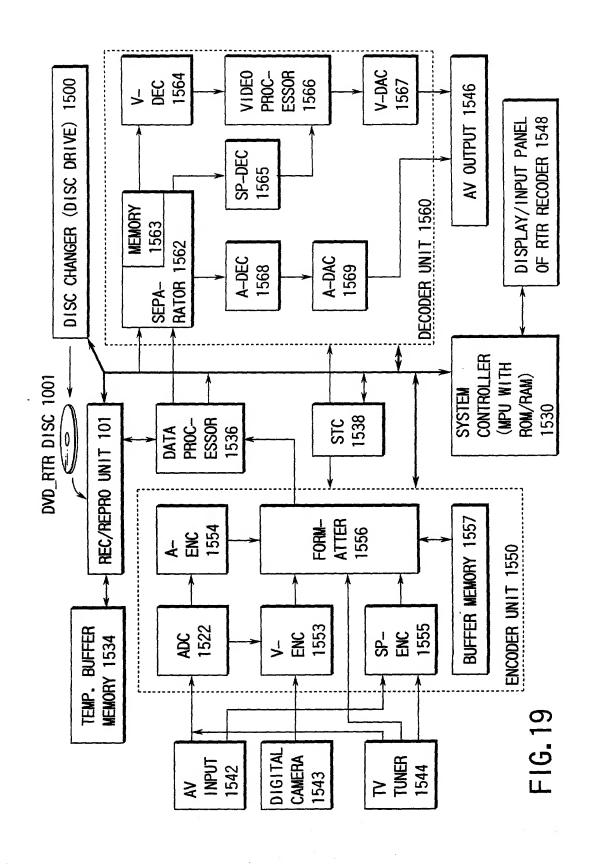
AUDIO S_PTM (PRESENTATION START TIME OF A_PCK) 1913

AUDIO E_PTM (PRESENTATION END TIME OF A_PCK) 1914

AUDIO F_SCR (SYSTEM CK REF. OF 1ST A_PCK IN VOB) 1915

AUDIO L_SCR (SYSTEM CK REF. OF LAST A_PCK IN VOB) 1916

Ĉ,



START CONTINUOUSLY INPUT DATA (JPEG OR BIT MAP) OF STILL PICTURE FILE OBTAIN ALL CONTENTS OF FROM DIGITAL CAMERA CONTROL INFORMATION <ST1> (INCLUDING RTR. 1F0) FROM DISC, & STORE CONVERT INPUT STILL OBTAINED CONTENTS IN PICTURE DATA INTO RAM OF SYSTEM I-PICTURE OF MPEG2 CONTROLLER <ST4> AT VIDEO ENCODER <ST2> OBTAIN INFORMATION OF PREPARE VOBU STRUCTURE ALLOCATION MAP TABLE OF EACH STILL PICTURE FROM CONTROL AT FORMATTER, & INFORMATION GROUP ONE OR MORE STORED IN RAM, & STILL PICTURES SEARCH UNRECORDED TO CONSTRUCT VOB <ST3> AREA <ST5> SEND CONTROL INFORMATION FROM SYSTEM CONTROLLER TO FORMATTER, DATA PROCESSOR, AND INFO. REC/REP UNIT <ST6> IS VOB SUCCESSFULLY RECORDED NO IN DISC? <ST7> YES PREPARE VOBU MAP (OR VOB MAP) AT SYSTEM CONTROLLER BASED ON ADDRESS INFORMATION RECORDED IN DISC <ST9> ADDITIONALLY RECORD PREPARED VOBU MAP (OR VOB MAP) IN CONTROL INFORMATION PORTION OF DISC <ST10>

END

START

OBTAIN ALL CONTENTS OF CONTROL INFORMATION (RTR.1FO) FROM DISC, & STORE OBTAINED CONTENTS IN RAM OF SYSTEM CONTROLLER <ST11>

OBTAIN PLAYBACK CONTROL INFO. FROM CONTROL INFO. STORED IN RAM, & INTERPRETE OBTAINED INFORMATION AS TO MANNER OF REPRODUCTION <ST12>

SEARCH PROGRAM TO BE REPRODUCED BASED ON PGC CONTROL INFO. IN RAM, OBTAIN CELL(S) IN PGC INFORMATION OF SEARCHED PROGRAM, & OBTAIN VOB_ID OR PTT_ID SPECIFIED BY CORRESPONDING CELL FROM CELL PLAYBACK INFORMATION STORED IN RAM <ST13>

OBTAIN DISC ADDRESS OF VOB TO BE REPRODUCED BASED ON VOB INFORMATION OR PTT INFORMATION STORD IN RAM <ST14>

ACCESS VOB RECORDED IN DISC BASED ON CONTROL SIGNAL FROM SYSTEM CONTROLLER TO REPRODUCE INFORMATION OF VOB. & PROVIDE REPRODUCED INFORMATION AS AV OUTPUT FOR DISPLAY <ST18>

RECEIVE ADDITIONAL INFO. INPUT BY USER WHILE DISPLAYING AV OUTPUT, & GROUP ONE OR MORE STILL PICTURES AT FORMATTER BASED ON USER-INPUT INFORMATION TO PREPARE VOB OR PTT <ST19>

RECORD INFORMATION OF VOB PREPARED BY FORMATTER <ST20>

END

START

OBTAIN ALL CONTENTS OF CONTROL INFORMATION (RTR.1FO) FROM DISC, & STORE OBTAINED CONTENTS IN RAM OF SYSTEM CONTROLLER <ST11>

OBTAIN PLAYBACK CONTROL INFO. FROM CONTROL INFO. STORED IN RAM, & INTERPRETE OBTAINED INFORMATION AS TO MANNER OF REPRODUCTION <ST12>

SEARCH PROGRAM TO BE REPRODUCED BASED ON PGC CONTROL INFO. IN RAM, OBTAIN CELL(S) IN PGC INFORMATION OF SEARCHED PROGRAM, & OBTAIN VOB_ID OR PTT_ID SPECIFIED BY CORRESPONDING CELL FROM CELL PLAYBACK INFORMATION STORED IN RAM <ST13>

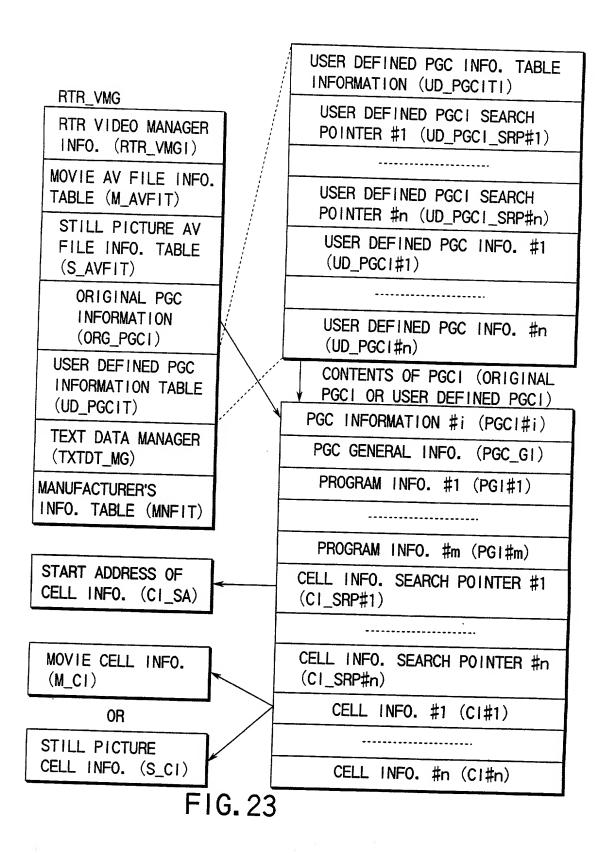
OBTAIN DISC ADDRESS OF VOB TO BE REPRODUCED BASED ON VOB INFORMATION OR PTT INFORMATION STORD IN RAM <ST14>

ACCESS VOB RECORDED IN DISC BASED ON CONTROL SIGNAL FROM SYSTEM CONTROLLER TO REPRODUCE INFORMATION OF VOB, & PROVIDE REPRODUCED INFORMATION AS AV OUTPUT FOR DISPLAY <ST18>

ACCESS VOB #A RECORDED IN DISC TO PROVIDE STILL PICTURE INFORMATION OF VOB #A <ST16>

ACCESS VOB #B IN DISC TO REPRODUCE AUDIO INFORMATION OF VOB #B, & PROVIDE AUDIO INFO. OF VOB #B AND STILL PICTURE INFO. OF VOB #A AS AV OUTPUT FOR STILL PICTURE DISPLAY WITH SOUND <ST17>

END



STILL PICTURE CELL GENERAL INFORMATION (S_C_GI)

STILL PICT. CELL ENTRY POINT INFORMATION #1 (S_C_EPI#1)

STILL PICT. CELL ENTRY POINT INFORMATION #n (S_C_EPI#n)

FIG. 24

CONTENTS OF S_C_GI

FIELD NAME	CONTENTS
RESERVED	RESERVED
C_TY	CELL TYPE
S_VOGI_SRPN	S_VOGI SEARCH POINTER NUMBER
C_EPI_Ns	NUMBER OF CELL ENTRY POINT INFO.
S_S_VOB_ENTN	START S_VOB_ENT NUMBER
E_S_VOB_ENTN	END S_VOB_ENT NUMBER

FIG. 25

CONTENTS OF S_C_EPI

FIELD NAME	CONTENTS
EP_TY	ENTRY POINT TYPE
S_VOB_ENTN	S_VOB_ENT NUMBER
PRM_TXT1	PRIMARY TEXT INFORMATION

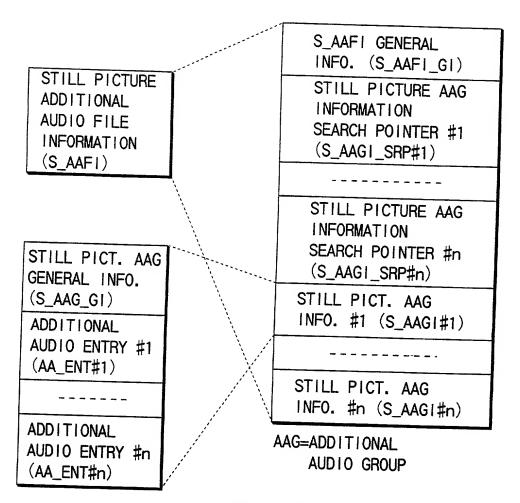


FIG. 27

CONTENTS OF S_AAG_GI

CONTENTS
NUMBER OF AA_ENT
STILL PICTURE ADDITIONAL AUDIO STREAM INFORMATION NUMBER
START ADDRESS OF THIS AAG IN STILL PICTURE ADDITIONAL AUDIO FILE

FIG. 28

CONTENTS OF AA_ENT

FIELD NAME	CONTENTS
AA_TY	ADDITIONAL AUDIO TYPE
AA_SZ	SIZE OF ADDITIONAL AUDIO STREAM
AA_PB_TM	PLAYBACK TIME OF ADDITIONAL AUDIO STREAM (MEASURED BY VIDEO FIELDS)

FIG. 29

CONTENTS OF S_VOG_GI

FIELD NAME	CONTENTS
S_VOB_Ns	NUMBER OF S_VOBs
S_VOB_STIN	STILL PICTURE VOB STREAM INFORMATION NUMBER
FIRST_VOB_REC_TM	TIME WHEN THE FIRST VOB IN THIS VOB GROUP WAS RECORDED
LAST_VOB_REC_TM	TIME WHEN THE LAST VOB IN THIS VOB GROUP WAS RECORDED
S_VOG_SA	START ADDRESS OF THIS VOB GROUP IN STILL PICTURE AV FILE

FIG. 30

CONTENTS OF S_VOB_ENT (TYPE 1)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART

CONTENTS OF S_VOB_ENT (TYPE 2)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
A_PART_SZ	SIZE OF ORIGINAL AUDIO PART
A_PB_TM	PLAYBACK TIME OF AUDIO PART (DESCRIBED IN VIDEO FIELDS)

FIG. 32

CONTENTS OF S_VOB_ENT (TYPE 3)

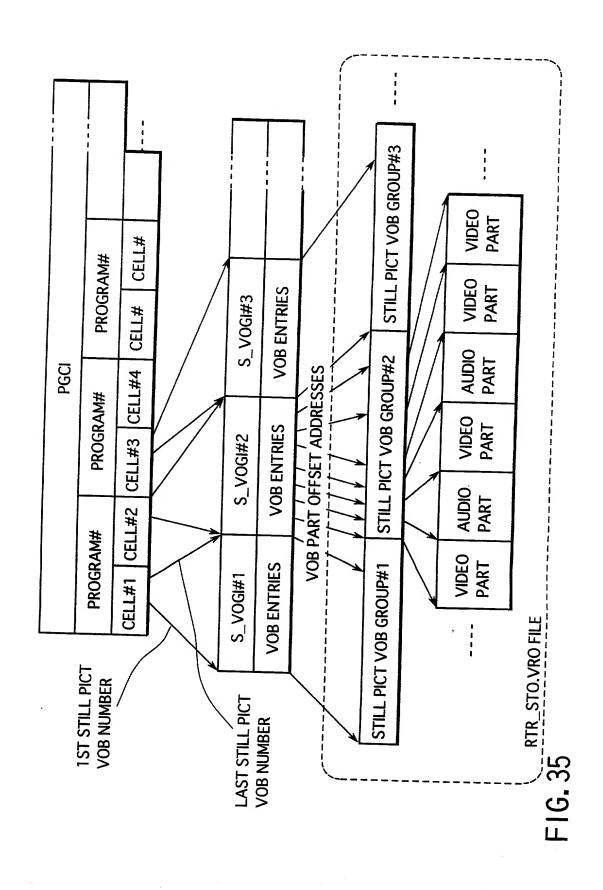
FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
S_AAGN	ADDITIONAL AUDIO GROUP NUMBER
AA_ENTN	AA_ENT NUMBER

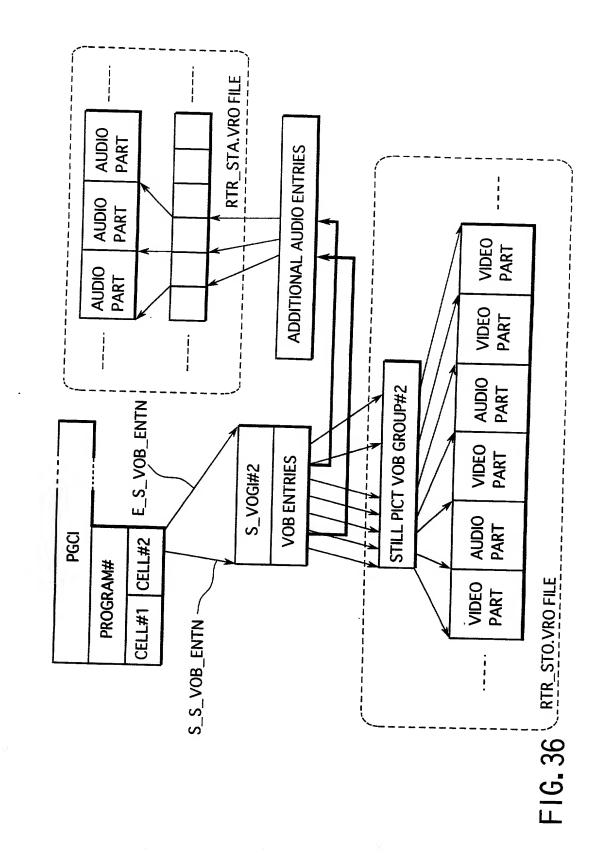
FIG. 33

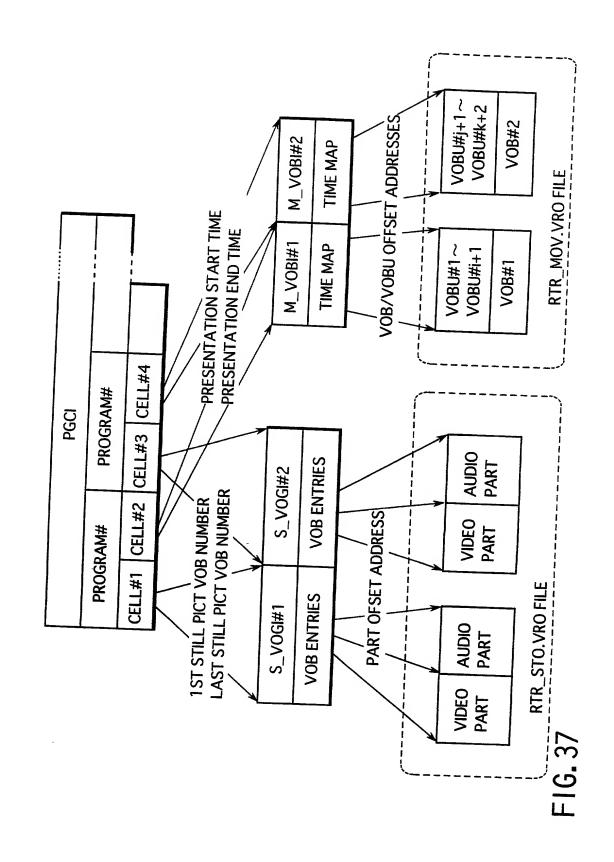
CONTENTS OF S_VOB_ENT (TYPE 4)

FIELD NAME	CONTENTS
S_VOB_ENT_TY	STILL PICTURE VOB ENTRY TYPE
V_PART_SZ	SIZE OF VIDEO PART
A_PART_SZ	SIZE OF ORIGINAL AUDIO PART
A_PB_TM	PLAYBACK TIME OF AUDIO PART
S_AAGN	ADDITIONAL AUDIO GROUP NUMBER
AA_ENTN	AA_ENT NUMBER

FIG. 34







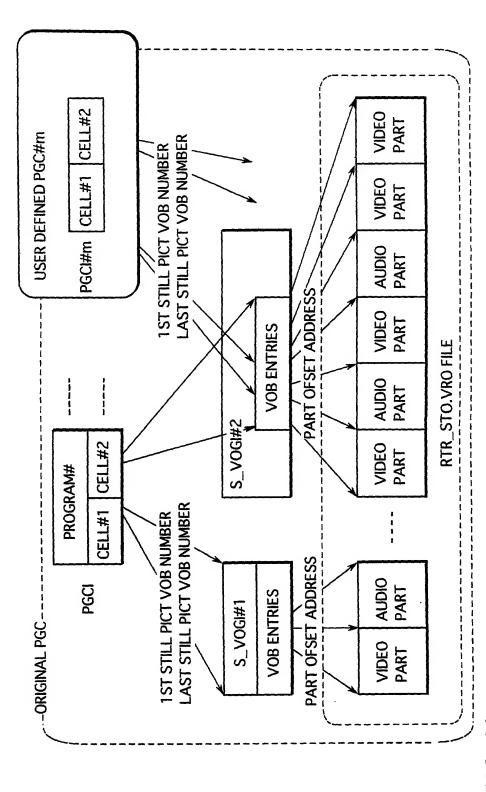


FIG. 38